OIPE

ENTERED

```
              RAW SEQUENCE LISTING              DATE: 07/18/2001
              PATENT APPLICATION:  US/09/892,949    TIME: 10:30:45

              Input Set : A:\00-42.SEQ.txt
              Output Set: N:\CRF3\07182001\I892949.raw
```

```
 4 <110> APPLICANT: Sprecher, Cindy A.
 5          Presnell, Scott R.
 6          Gao, Zeren
 7          Whitmore, Theodore E.
 8          Kuijper, Joseph L.
 9          Maurer, Mark F.
11 <120> TITLE OF INVENTION: CYTOKINE RECEPTOR ZCYTOR17
13 <130> FILE REFERENCE: 00-42
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/892,949
C--> 15 <141> CURRENT FILING DATE: 2001-06-26
15 <150> PRIOR APPLICATION NUMBER: US 60/214,282
16 <151> PRIOR FILING DATE: 2000-06-26
18 <150> PRIOR APPLICATION NUMBER: US 60/214,955
19 <151> PRIOR FILING DATE: 2000-06-29
21 <150> PRIOR APPLICATION NUMBER: US 60/267,963
22 <151> PRIOR FILING DATE: 2001-08-02
24 <160> NUMBER OF SEQ ID NOS: 93
26 <170> SOFTWARE: FastSEQ for Windows Version 3.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 2402
30 <212> TYPE: DNA
31 <213> ORGANISM: Homo sapiens
33 <220> FEATURE:
34 <221> NAME/KEY: CDS
35 <222> LOCATION: (171)...(2366)
37 <400> SEQUENCE: 1
38  ggcacgaggt gtgtgtgcag tatgaaaatt gagacaggaa ggcagagtgt cagcttgttc    60
39  cacctcagct gggaatgtgc atcaggcaac tcaagttttt caccacggca tgtgtctgtg   120
40  aatgtccgca aaacattctc tctccccagc cttcatgtgt taacctgggg atg atg      176
41                                                              Met Met
42                                                                1
44  tgg acc tgg gca ctg tgg atg ctc ccc tca ctc tgc aaa ttc agc ctg     224
45  Trp Thr Trp Ala Leu Trp Met Leu Pro Ser Leu Cys Lys Phe Ser Leu
46          5                   10                  15
48  gca gct ctg cca gct aag cct gag aac att tcc tgt gtc tac tac tat     272
49  Ala Ala Leu Pro Ala Lys Pro Glu Asn Ile Ser Cys Val Tyr Tyr Tyr
50          20                  25                  30
52  agg aaa aat tta acc tgc act tgg agt cca gga aag gaa acc agt tat     320
53  Arg Lys Asn Leu Thr Cys Thr Trp Ser Pro Gly Lys Glu Thr Ser Tyr
54      35                  40                  45              50
56  acc cag tac aca gtt aag aga act tac gct ttt gga gaa aaa cat gat     368
57  Thr Gln Tyr Thr Val Lys Arg Thr Tyr Ala Phe Gly Glu Lys His Asp
58                  55                  60                  65
60  aat tgt aca acc aat agt tct aca agt gaa aat cgt gct tcg tgc tct     416
61  Asn Cys Thr Thr Asn Ser Ser Thr Ser Glu Asn Arg Ala Ser Cys Ser
62                  70                  75                  80
64  ttt ttc ctt cca aga ata acg atc cca gat aat tat acc att gag gtg     464
```

RAW SEQUENCE LISTING   DATE: 07/18/2001
PATENT APPLICATION: **US/09/892,949**   TIME: 10:30:46

Input Set : **A:\00-42.SEQ.txt**
Output Set: **N:\CRF3\07182001\I892949.raw**

65	Phe	Phe	Leu	Pro	Arg	Ile	Thr	Ile	Pro	Asp	Asn	Tyr	Thr	Ile	Glu	Val
66			85					90					95			
68	gaa	gct	gaa	aat	gga	gat	ggt	gta	att	aaa	tct	cat	atg	aca	tac	tgg	512
69	Glu	Ala	Glu	Asn	Gly	Asp	Gly	Val	Ile	Lys	Ser	His	Met	Thr	Tyr	Trp
70			100					105					110			
72	aga	tta	gag	aac	ata	gcg	aaa	act	gaa	cca	cct	aag	att	ttc	cgt	gtg	560
73	Arg	Leu	Glu	Asn	Ile	Ala	Lys	Thr	Glu	Pro	Pro	Lys	Ile	Phe	Arg	Val
74	115					120					125					130
76	aaa	cca	gtt	ttg	ggc	atc	aaa	cga	atg	att	caa	att	gaa	tgg	ata	aag	608
77	Lys	Pro	Val	Leu	Gly	Ile	Lys	Arg	Met	Ile	Gln	Ile	Glu	Trp	Ile	Lys
78			135					140					145			
80	cct	gag	ttg	gcg	cct	gtt	tca	tct	gat	tta	aaa	tac	aca	ctt	cga	ttc	656
81	Pro	Glu	Leu	Ala	Pro	Val	Ser	Ser	Asp	Leu	Lys	Tyr	Thr	Leu	Arg	Phe
82			150					155					160			
84	agg	aca	gtc	aac	agt	acc	agc	tgg	atg	gaa	gtc	aac	ttc	gct	aag	aac	704
85	Arg	Thr	Val	Asn	Ser	Thr	Ser	Trp	Met	Glu	Val	Asn	Phe	Ala	Lys	Asn
86			165					170					175			
88	cgt	aag	gat	aaa	aac	caa	acg	tac	aac	ctc	acg	ggg	ctg	cag	cct	ttt	752
89	Arg	Lys	Asp	Lys	Asn	Gln	Thr	Tyr	Asn	Leu	Thr	Gly	Leu	Gln	Pro	Phe
90			180					185					190			
92	aca	gaa	tat	gtc	ata	gct	ctg	cga	tgt	gcg	gtc	aag	gag	tca	aag	ttc	800
93	Thr	Glu	Tyr	Val	Ile	Ala	Leu	Arg	Cys	Ala	Val	Lys	Glu	Ser	Lys	Phe
94	195					200					205					210
96 ﹐	tgg	agt	gac	tgg	agc	caa	gaa	aaa	atg	gga	atg	act	gag	gaa	gaa	gct	848
97	Trp	Ser	Asp	Trp	Ser	Gln	Glu	Lys	Met	Gly	Met	Thr	Glu	Glu	Glu	Ala
98			215					220					225			
100	cca	tgt	ggc	ctg	gaa	ctg	tgg	aga	gtc	ctg	aaa	cca	gct	gag	gcg	gat	896
101	Pro	Cys	Gly	Leu	Glu	Leu	Trp	Arg	Val	Leu	Lys	Pro	Ala	Glu	Ala	Asp
102			230					235					240			
104	gga	aga	agg	cca	gtg	cgg	ttg	tta	tgg	aag	aag	gca	aga	gga	gcc	cca	944
105	Gly	Arg	Arg	Pro	Val	Arg	Leu	Leu	Trp	Lys	Lys	Ala	Arg	Gly	Ala	Pro
106			245					250					255			
108	gtc	cta	gag	aaa	aca	ctt	ggc	tac	aac	ata	tgg	tac	tat	cca	gaa	agc	992
109	Val	Leu	Glu	Lys	Thr	Leu	Gly	Tyr	Asn	Ile	Trp	Tyr	Tyr	Pro	Glu	Ser
110		260					265					270				
112	aac	act	aac	ctc	aca	gaa	aca	atg	aac	act	act	aac	cag	cag	ctt	gaa	1040
113	Asn	Thr	Asn	Leu	Thr	Glu	Thr	Met	Asn	Thr	Thr	Asn	Gln	Gln	Leu	Glu
114	275					280					285					290
116	ctg	cat	ctg	gga	ggc	gag	agc	ttt	tgg	gtg	tct	atg	att	tct	tat	aat	1088
117	Leu	His	Leu	Gly	Gly	Glu	Ser	Phe	Trp	Val	Ser	Met	Ile	Ser	Tyr	Asn
118			295					300					305			
120	tct	ctt	ggg	aag	tct	cca	gtg	gcc	acc	ctg	agg	att	cca	gct	att	caa	1136
121	Ser	Leu	Gly	Lys	Ser	Pro	Val	Ala	Thr	Leu	Arg	Ile	Pro	Ala	Ile	Gln
122			310					315					320			
124	gaa	aaa	tca	ttt	cag	tgc	att	gag	gtc	atg	cag	gcc	tgc	gtt	gct	gag	1184
125	Glu	Lys	Ser	Phe	Gln	Cys	Ile	Glu	Val	Met	Gln	Ala	Cys	Val	Ala	Glu
126			325					330					335			
128	gac	cag	cta	gtg	gtg	aag	tgg	caa	agc	tct	gct	cta	gac	gtg	aac	act	1232
131	Asp	Gln	Leu	Val	Val	Lys	Trp	Gln	Ser	Ser	Ala	Leu	Asp	Val	Asn	Thr

RAW SEQUENCE LISTING   DATE: 07/18/2001
PATENT APPLICATION: **US/09/892,949**   TIME: 10:30:46

Input Set : **A:\00-42.SEQ.txt**
Output Set: **N:\CRF3\07182001\I892949.raw**

```
132      340                    345                    350
134  tgg atg att gaa tgg ttt ccg gat gtg gac tca gag ccc acc acc ctt    1280
135  Trp Met Ile Glu Trp Phe Pro Asp Val Asp Ser Glu Pro Thr Thr Leu
136  355                    360                    365                    370
138  tcc tgg gaa tct gtg tct cag gcc acg aac tgg acg atc cag caa gat    1328
139  Ser Trp Glu Ser Val Ser Gln Ala Thr Asn Trp Thr Ile Gln Gln Asp
140                         375                    380                    385
142  aaa tta aaa cct ttc tgg tgc tat aac atc tct gtg tat cca atg ttg    1376
143  Lys Leu Lys Pro Phe Trp Cys Tyr Asn Ile Ser Val Tyr Pro Met Leu
144                         390                    395                    400
146  cat gac aaa gtt ggc gag cca tat tcc atc cag gct tat gcc aaa gaa    1424
147  His Asp Lys Val Gly Glu Pro Tyr Ser Ile Gln Ala Tyr Ala Lys Glu
148            405                    410                    415
150  ggc gtt cca tca gaa ggt cct gag acc aag gtg gag aac att ggc gtg    1472
151  Gly Val Pro Ser Glu Gly Pro Glu Thr Lys Val Glu Asn Ile Gly Val
152            420                    425                    430
154  aag acg gtc acg atc aca tgg aaa gag att ccc aag agt gag aga aag    1520
155  Lys Thr Val Thr Ile Thr Trp Lys Glu Ile Pro Lys Ser Glu Arg Lys
156  435                    440                    445                    450
158  ggt atc atc tgc aac tac acc atc ttt tac caa gct gaa ggt gga aaa    1568
159  Gly Ile Ile Cys Asn Tyr Thr Ile Phe Tyr Gln Ala Glu Gly Gly Lys
160            455                    460                    465
162  gga ttc tcc aag aca gtc aat tcc agc atc ttg cag tac ggc ctg gag    1616
163  Gly Phe Ser Lys Thr Val Asn Ser Ser Ile Leu Gln Tyr Gly Leu Glu
164            470                    475                    480
166  tcc ctg aaa cga aag acc tct tac att gtt cag gtc atg gcc agc acc    1664
167  Ser Leu Lys Arg Lys Thr Ser Tyr Ile Val Gln Val Met Ala Ser Thr
168            485                    490                    495
170  agt gct ggg gga acc aac ggg acc agc ata aat ttc aag aca ttg tca    1712
171  Ser Ala Gly Gly Thr Asn Gly Thr Ser Ile Asn Phe Lys Thr Leu Ser
172            500                    505                    510
174  ttc agt gtc ttt gag att atc ctc ata act tct ctg att ggt gga ggc    1760
175  Phe Ser Val Phe Glu Ile Ile Leu Ile Thr Ser Leu Ile Gly Gly Gly
176  515                    520                    525                    530
178  ctt ctt att ctc att atc ctg aca gtg gca tat ggt ctc aaa aaa ccc    1808
179  Leu Leu Ile Leu Ile Ile Leu Thr Val Ala Tyr Gly Leu Lys Lys Pro
180            535                    540                    545
182  aac aaa ttg act cat ctg tgt tgg ccc acc gtt ccc aac cct gct gaa    1856
183  Asn Lys Leu Thr His Leu Cys Trp Pro Thr Val Pro Asn Pro Ala Glu
184            550                    555                    560
186  agt agt ata gcc aca tgg cat gga gat gat ttc aag gat aag cta aac    1904
187  Ser Ser Ile Ala Thr Trp His Gly Asp Asp Phe Lys Asp Lys Leu Asn
188            565                    570                    575
190  ctg aag gag tct gat gac tct gtg aac aca gaa gac agg atc tta aaa    1952
191  Leu Lys Glu Ser Asp Asp Ser Val Asn Thr Glu Asp Arg Ile Leu Lys
192  580                    585                    590
194  cca tgt tcc acc ccc agt gac aag ttg gtg att gac aag ttg gtg gtg    2000
195  Pro Cys Ser Thr Pro Ser Asp Lys Leu Val Ile Asp Lys Leu Val Val
196  595                    600                    605                    610
```

```
198  aac ttt ggg aat gtt ctg caa gaa att ttc aca gat gaa gcc aga acg          2048
199  Asn Phe Gly Asn Val Leu Gln Glu Ile Phe Thr Asp Glu Ala Arg Thr
200              615                 620                 625
202  ggt cag gaa aac aat tta gga ggg gaa aag aat ggg tat gtg acc tgc          2096
203  Gly Gln Glu Asn Asn Leu Gly Gly Glu Lys Asn Gly Tyr Val Thr Cys
204              630                 635                 640
206  ccc ttc agg cct gat tgt ccc ctg ggg aaa agt ttt gag gag ctc cca          2144
207  Pro Phe Arg Pro Asp Cys Pro Leu Gly Lys Ser Phe Glu Glu Leu Pro
208              645                 650                 655
210  gtt tca cct gag att ccg ccc aga aaa tcc caa tac cta cgt tcg agg          2192
211  Val Ser Pro Glu Ile Pro Pro Arg Lys Ser Gln Tyr Leu Arg Ser Arg
212          660                 665                 670
214  atg cca gag ggg acc cgc cca gaa gcc aaa gag cag ctt ctc ttt tct          2240
217  Met Pro Glu Gly Thr Arg Pro Glu Ala Lys Glu Gln Leu Leu Phe Ser
218  675                 680                 685                 690
220  ggt caa agt tta gta cca gat cat ctg tgt gag gaa gga gcc cca aat          2288
221  Gly Gln Ser Leu Val Pro Asp His Leu Cys Glu Glu Gly Ala Pro Asn
222              695                 700                 705
224  cca tat ttg aaa aat tca gtg aca gcc agg gaa ttt ctt gtg tct gaa          2336
225  Pro Tyr Leu Lys Asn Ser Val Thr Ala Arg Glu Phe Leu Val Ser Glu
226              710                 715                 720
228  aaa ctt cca gag cac acc aag gga gaa gtc taaatgcgac catagcatga          2386
229  Lys Leu Pro Glu His Thr Lys Gly Glu Val
230          725                 730
232  gaccctcggg gcctca                                                        2402
234  <210> SEQ ID NO: 2
235  <211> LENGTH: 732
236  <212> TYPE: PRT
237  <213> ORGANISM: Homo sapiens
239  <400> SEQUENCE: 2
240  Met Met Trp Thr Trp Ala Leu Trp Met Leu Pro Ser Leu Cys Lys Phe
241  1               5                   10                  15
242  Ser Leu Ala Ala Leu Pro Ala Lys Pro Glu Asn Ile Ser Cys Val Tyr
243              20                  25                  30
244  Tyr Tyr Arg Lys Asn Leu Thr Cys Thr Trp Ser Pro Gly Lys Glu Thr
245              35                  40                  45
246  Ser Tyr Thr Gln Tyr Thr Val Lys Arg Thr Tyr Ala Phe Gly Glu Lys
247          50                  55                  60
248  His Asp Asn Cys Thr Thr Asn Ser Ser Thr Ser Glu Asn Arg Ala Ser
249  65                  70                  75                  80
250  Cys Ser Phe Phe Leu Pro Arg Ile Thr Ile Pro Asp Asn Tyr Thr Ile
251              85                  90                  95
252  Glu Val Glu Ala Glu Asn Gly Asp Gly Val Ile Lys Ser His Met Thr
253              100                 105                 110
254  Tyr Trp Arg Leu Glu Asn Ile Ala Lys Thr Glu Pro Pro Lys Ile Phe
255          115                 120                 125
256  Arg Val Lys Pro Val Leu Gly Ile Lys Arg Met Ile Gln Ile Glu Trp
257          130                 135                 140
260  Ile Lys Pro Glu Leu Ala Pro Val Ser Ser Asp Leu Lys Tyr Thr Leu
```

RAW SEQUENCE LISTING   DATE: 07/18/2001
PATENT APPLICATION: US/09/892,949   TIME: 10:30:46

Input Set : A:\00-42.SEQ.txt
Output Set: N:\CRF3\07182001\I892949.raw

```
261 145                150                 155                 160
262 Arg Phe Arg Thr Val Asn Ser Thr Ser Trp Met Glu Val Asn Phe Ala
263                165           ·        170       ·          175
264 Lys Asn Arg Lys Asp Lys Asn Gln Thr Tyr Asn Leu Thr Gly Leu Gln
265                180                185                190
266 Pro Phe Thr Glu Tyr Val Ile Ala Leu Arg Cys Ala Val Lys Glu Ser
267            195                200                205
268 Lys Phe Trp Ser Asp Trp Ser Gln Glu Lys Met Gly Met Thr Glu Glu
269        210                215                220
270 Glu Ala Pro Cys Gly Leu Glu Leu Trp Arg Val Leu Lys Pro Ala Glu
271 225                230                235                240
272 Ala Asp Gly Arg Arg Pro Val Arg Leu Leu Trp Lys Lys Ala Arg Gly
273                245                250                255
274 Ala Pro Val Leu Glu Lys Thr Leu Gly Tyr Asn Ile Trp Tyr Tyr Pro
275            260                265                270
276 Glu Ser Asn Thr Asn Leu Thr Glu Thr Met Asn Thr Thr Asn Gln Gln
277            275                280                285
278 Leu Glu Leu His Leu Gly Gly Glu Ser Phe Trp Val Ser Met Ile Ser
279        290                295                300
280 Tyr Asn Ser Leu Gly Lys Ser Pro Val Ala Thr Leu Arg Ile Pro Ala
281 305                310                315                320
282 Ile Gln Glu Lys Ser Phe Gln Cys Ile Glu Val Met Gln Ala Cys Val
283                325                330                335
284 Ala Glu Asp Gln Leu Val Val Lys Trp Gln Ser Ser Ala Leu Asp Val
285            340                345                350
286 Asn Thr Trp Met Ile Glu Trp Phe Pro Asp Val Asp Ser Glu Pro Thr
287            355                360                365
288 Thr Leu Ser Trp Glu Ser Val Ser Gln Ala Thr Asn Trp Thr Ile Gln
289        370                375                380
290 Gln Asp Lys Leu Lys Pro Phe Trp Cys Tyr Asn Ile Ser Val Tyr Pro
291 385                390                395                400
292 Met Leu His Asp Lys Val Gly Glu Pro Tyr Ser Ile Gln Ala Tyr Ala
293                405                410                415
294 Lys Glu Gly Val Pro Ser Glu Gly Pro Glu Thr Lys Val Glu Asn Ile
295            420                425                430
296 Gly Val Lys Thr Val Thr Ile Thr Trp Lys Glu Ile Pro Lys Ser Glu
297        435                440                445
298 Arg Lys Gly Ile Ile Cys Asn Tyr Thr Ile Phe Tyr Gln Ala Glu Gly
299        450                455                460
300 Gly Lys Gly Phe Ser Lys Thr Val Asn Ser Ser Ile Leu Gln Tyr Gly
301 465                470                475                480
302 Leu Glu Ser Leu Lys Arg Lys Thr Ser Tyr Ile Val Gln Val Met Ala
303                485                490                495
304 Ser Thr Ser Ala Gly Gly Thr Asn Gly Thr Ser Ile Asn Phe Lys Thr
305            500                505                510
306 Leu Ser Phe Ser Val Phe Glu Ile Ile Leu Ile Thr Ser Leu Ile Gly
307            515                520                525
308 Gly Gly Leu Leu Ile Leu Ile Ile Leu Thr Val Ala Tyr Gly Leu Lys
309        530                535                540
```

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.
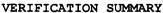
VERIFICATION SUMMARY   DATE: 07/18/2001
PATENT APPLICATION: **US/09/892,949**   TIME: 10:30:47

Input Set : **A:\00-42.SEQ.txt**
Output Set: **N:\CRF3\07182001\I892949.raw**

```
L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
```

Input Set : A:\00-42.SEQ.txt
Output Set: N:\CRF3\07182001\I892949.raw

```
L:1584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1969 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
```

VERIFICATION SUMMARY   DATE: 07/18/2001
PATENT APPLICATION: **US/09/892,949**   TIME: 10:30:47

Input Set : **A:\00-42.SEQ.txt**
Output Set: **N:\CRF3\07182001\I892949.raw**

```
L:1989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1990 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1991 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:2840 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:81
L:2851 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:82
L:2862 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:83
L:2874 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:84
L:2885 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:85
L:2896 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:86
L:2907 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:87
```